

A 50,000 FT. OVERVIEW OF THE SYSTEM

Fig. 1

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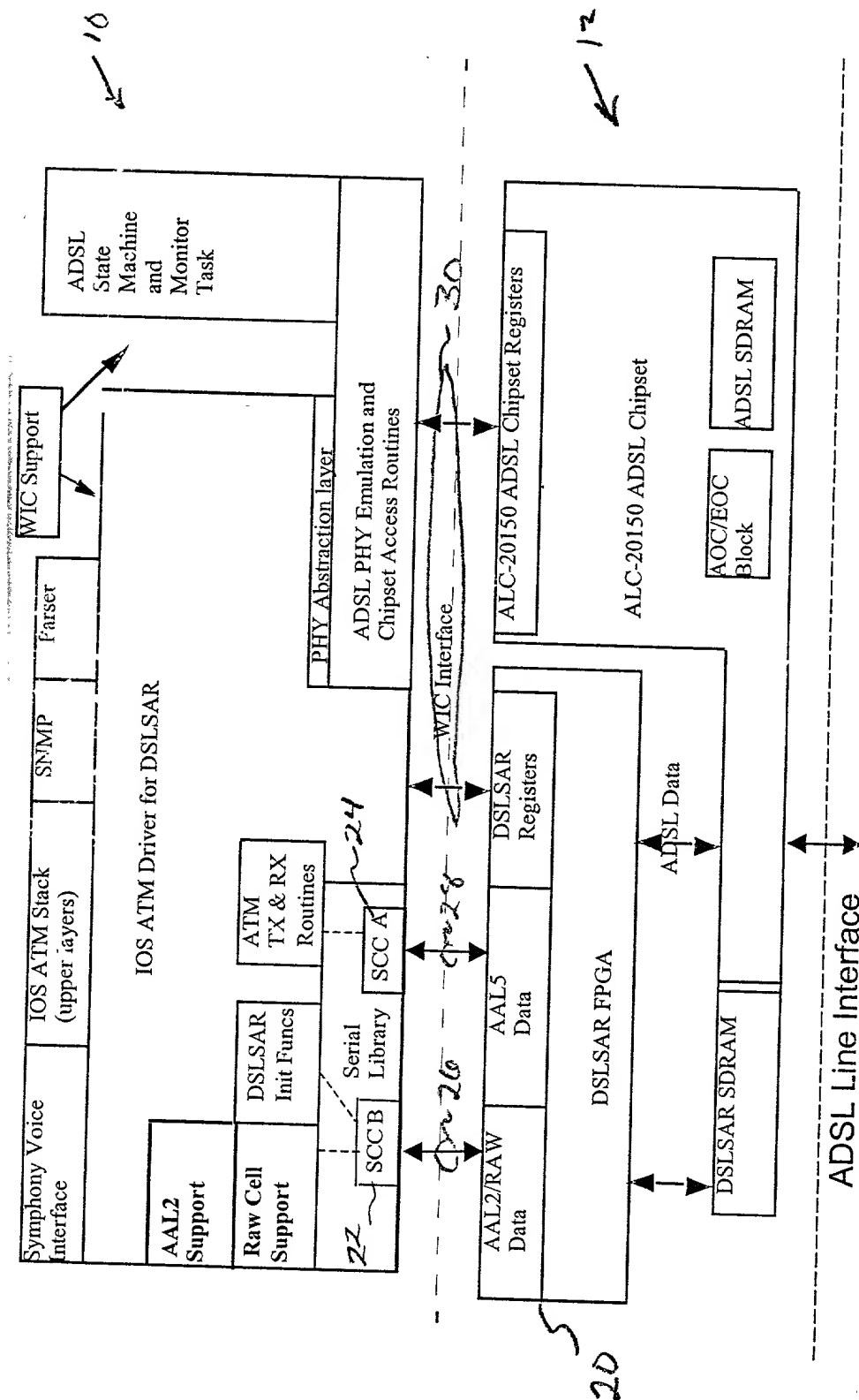


Fig. 2

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## Serial Communication

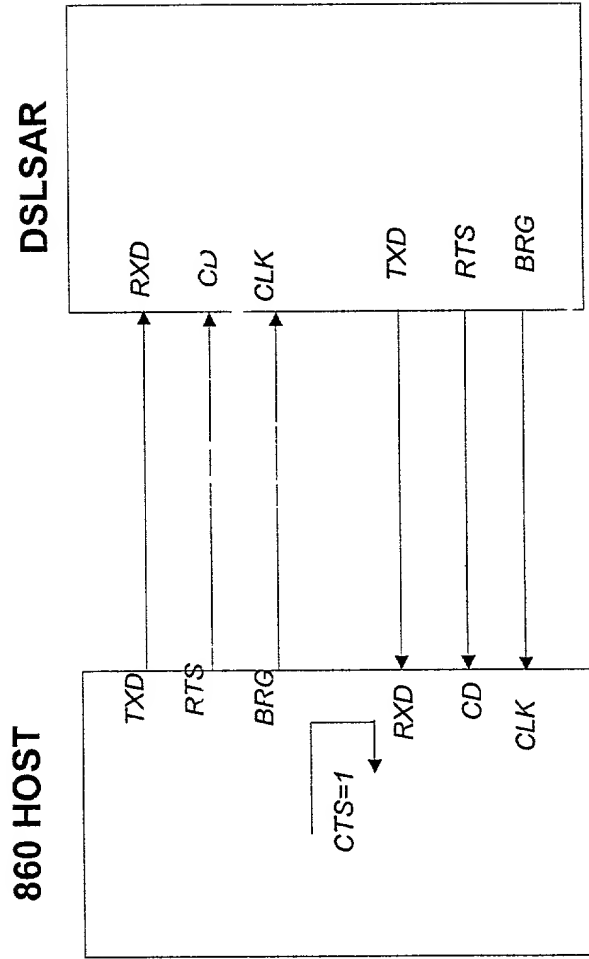


Fig. 3

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| Opening Flag | Command Opcode | (optional) Parameters | (optional) Data |
|--------------|----------------|-----------------------|-----------------|
| 0x7E         | 8 bits         |                       |                 |

Fig. 4A

| Opening Flag | Command Opcode | Length  | Address | Data          |
|--------------|----------------|---------|---------|---------------|
| 0x7E         | 0x01           | 16 bits | 32 bits | Length*8 bits |

Fig. 4B

| Opening Flag | Command Opcode | Length † | Address |
|--------------|----------------|----------|---------|
| 0x7E         | 0x02           | 16 bits  | 32 bits |

Fig. 4C

| Opening Flag | Command Opcode | Open/Close, Address |
|--------------|----------------|---------------------|
| 0x7E         | 0x08           | 32 bits             |

Fig. 4D

| Command           | (optional) More Commands | CRC     |
|-------------------|--------------------------|---------|
| 0x7E, Opcode, etc | 0x7E, Opcode, etc        | 16 bits |

Fig. 4E

|             |                    |
|-------------|--------------------|
| ID Word     | hex 7E80 (16 bits) |
| Length      | 4*(N+4) (16 bits)  |
| RPQE        | 4 longwords        |
| Packet Data | N longwords        |
| CRC-16      | 16 bits            |

Fig. 4F

|          |                    |
|----------|--------------------|
| ID Word  | hex 7E81 (16 bits) |
| Length   | hex 0038 (16 bits) |
| Raw Cell | 14 longwords       |
| CRC-16   | 16 bits            |

Fig. 4G

|         |                    |
|---------|--------------------|
| ID Word | hex 7E82 (16 bits) |
| Length  | hex 0008 (16 bits) |
| TSQE    | 2 longwords        |
| CRC-16  | 16 bits            |

Fig. 4H

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|         |                     |
|---------|---------------------|
| ID Word | hex 7E02 (16 bits)  |
| Length  | $4*(N+1)$ (16 bits) |
| Address | 1 longword          |
| Data    | N longwords         |
| CRC-16  | 16 bits             |

Fig. 4I

FIG. 4I